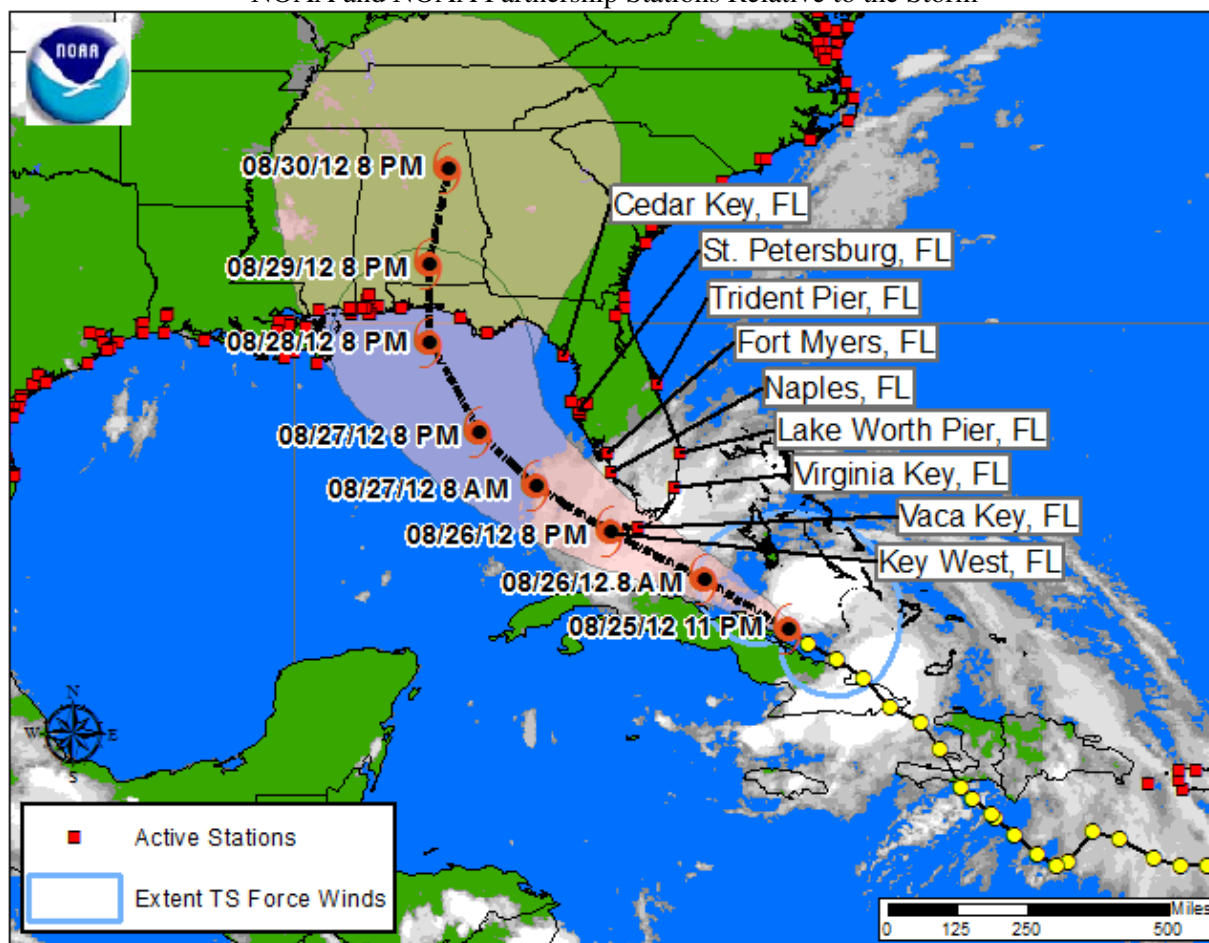




Tropical Storm ISAAC QuickLook
Posted: 00:00 EDT 08/26/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/26/2012 00:00 EDT, water levels along the central and southern coast of Florida including the Florida Keys are slightly elevated, by 0.5 feet or less above tidal predictions. Winds across southern Florida generally range between 10 and 25 knots with some gusts over 30 kts. Barometric pressure is slowly falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 2.1 ft (0.63 m) at 08/26/2012 05:27 EDT and 1.1 ft (0.35 m) at 08/26/2012 19:32 EDT.

Vaca Key, FL: Next predicted high tides are 1.1 ft (0.34 m) at 08/26/2012 08:22 EDT and 0.7 ft (0.21 m) at 08/27/2012 00:49 EDT.

Tropical Storm ISAAC QuickLook, POSTED 00:00 EDT 08/26/2012

Virginia Key, FL: Next predicted high tides are 2.2 ft (0.68 m) at 08/26/2012 04:40 EDT and 2.3 ft (0.71 m) at 08/26/2012 17:30 EDT.

Lake Worth Pier, FL: Next predicted high tides are 2.8 ft (0.85 m) at 08/26/2012 03:36 EDT and 3.2 ft (1.00 m) at 08/26/2012 16:35 EDT.

Trident Pier, FL: Next predicted high tides are 3.4 ft (1.02 m) at 08/26/2012 03:17 EDT and 4.3 ft (1.33 m) at 08/26/2012 16:12 EDT.

Naples, FL: Next predicted high tides are 3.1 ft (0.93 m) at 08/26/2012 08:04 EDT and 2.3 ft (0.71 m) at 08/26/2012 22:47 EDT.

Fort Myers, FL: Next predicted high tides are 0.9 ft (0.28 m) at 08/26/2012 01:11 EDT and 1.6 ft (0.50 m) at 08/26/2012 11:29 EDT.

St. Petersburg, FL: Next predicted high tides are 2.6 ft (0.80 m) at 08/26/2012 09:18 EDT and 1.6 ft (0.51 m) at 08/27/2012 01:43 EDT.

Cedar Key, FL: Next predicted high tides are 3.9 ft (1.20 m) at 08/26/2012 09:13 EDT and 3.0 ft (0.92 m) at 08/27/2012 00:00 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 20
NWS NATIONAL HURRICANE CENTER MIAMI FL
1100 PM EDT SAT AUG 25 2012

...ISAAC HEADING TOWARD THE STRAITS OF FLORIDA...EXPECTED TO STRENGTHEN...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH ALONG THE WEST COAST OF FLORIDA FROM BONITA BEACH TO TARPON SPRINGS HAS BEEN REPLACED WITH A TROPICAL STORM WARNING.

THE TROPICAL STORM WATCH ALONG THE WEST COAST OF FLORIDA AND THE FLORIDA PANHANDLE HAS BEEN EXTENDED NORTHWARD AND WESTWARD TO INDIAN PASS.

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED FOR HAITI.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * THE FLORIDA KEYS INCLUDING THE DRY TORTUGAS
- * THE WEST COAST OF FLORIDA FROM BONITA BEACH SOUTHWARD TO OCEAN REEF
- * FLORIDA BAY

A HURRICANE WATCH IS IN EFFECT FOR...

- * THE FLORIDA EAST COAST FROM GOLDEN BEACH SOUTHWARD TO OCEAN REEF

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE FLORIDA EAST COAST FROM SEBASTIAN INLET SOUTHWARD TO OCEAN REEF
- * LAKE OKEECHOBEE
- * THE FLORIDA WEST COAST FROM NORTH OF BONITA BEACH TO TARPON SPRINGS...INCLUDING TAMPA BAY

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * THE FLORIDA EAST COAST NORTH OF SEBASTIAN INLET TO FLAGLER BEACH
- * THE FLORIDA WEST COAST AND THE FLORIDA PANHANDLE NORTH OF TARPON SPRINGS TO INDIAN PASS

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN THE REMAINDER OF CUBA...THE REMAINDER OF FLORIDA...AND ELSEWHERE ALONG THE NORTHERN GULF COAST SHOULD MONITOR THE PROGRESS OF ISAAC. A HURRICANE WATCH MAY BE REQUIRED FOR A PORTION OF THE NORTHERN GULF COAST ON SUNDAY MORNING.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM EDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 340 MI ESE OF KEY WEST FLORIDA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 17 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE DURING THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD MOVE JUST NORTH OF THE CENTRAL

COAST OF CUBA TONIGHT...AND MOVE NEAR OR OVER THE FLORIDA KEYS SUNDAY OR SUNDAY NIGHT. ISAAC IS FORECAST TO MOVE OVER THE SOUTHEASTERN GULF OF MEXICO BY EARLY MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC IS EXPECTED TO BE AT OR NEAR HURRICANE STRENGTH WHEN IT REACHES THE FLORIDA KEYS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 997 MB...29.44 INCHES.

HAZARDS AFFECTING LAND

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES...WITH MAXIMUM AMOUNTS OF 12 INCHES...ARE POSSIBLE ACROSS THE FLORIDA KEYS AND THE SOUTHERN PENINSULA OF FLORIDA. TOTAL RAIN ACCUMULATIONS OF 3 TO 5 INCHES ARE POSSIBLE OVER THE CENTRAL AND SOUTHERN BAHAMAS.

HURRICANE CONDITIONS ARE EXPECTED IN THE HURRICANE WARNING AREA IN SOUTHWEST FLORIDA AND THE FLORIDA KEYS ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED BY EARLY SUNDAY. HURRICANE CONDITIONS ARE POSSIBLE IN THE HURRICANE WATCH AREA IN SOUTHEAST FLORIDA ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED IN THE TROPICAL STORM WARNING AREA IN FLORIDA BY EARLY SUNDAY. TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD NORTHWARD ALONG THE WEST COAST OF FLORIDA IN THE WARNING AREA BY EARLY MONDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE ALONG THE WEST COAST OF FLORIDA AND THE EASTERN FLORIDA PANHANDLE BY LATE MONDAY IN THE TROPICAL STORM WATCH AREA.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * SOUTHWEST FLORIDA COAST WITHIN HURRICANE WARNING AREA...5 TO 7 FT
- * FLORIDA WEST COAST IN THE TROPICAL STORM WARNING AREA INCLUDING TAMPA BAY...3 TO 5 FT
- * SOUTHEAST FLORIDA COAST AND THE FLORIDA KEYS...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF CENTRAL AND SOUTHERN FLORIDA AND THE FLORIDA KEYS ON SUNDAY.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE FLORIDA

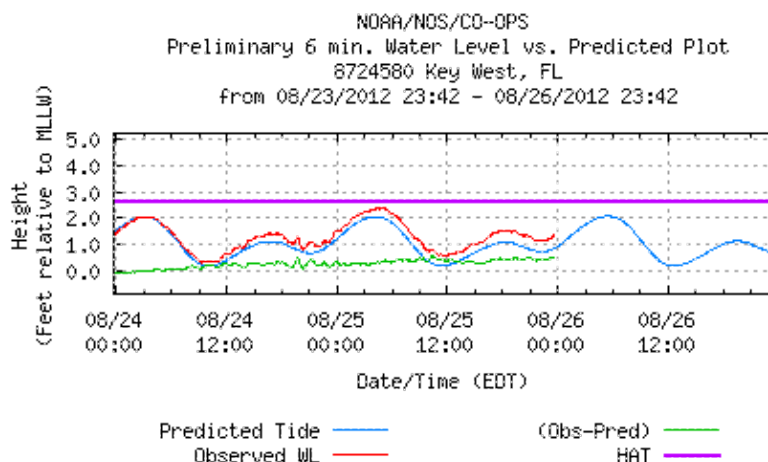
PENINSULA AND THE FLORIDA KEYS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER BROWN/BLAKE

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#),

[Key West, FL - Return to List](#)

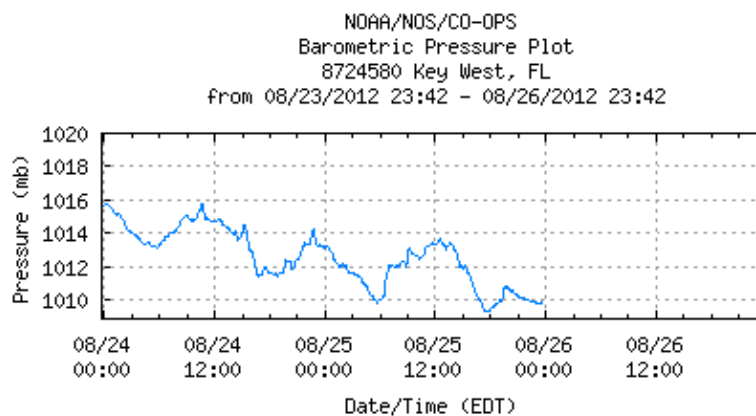


Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 1.34 ft.** **Predicted: 0.84 ft.** **Residual: 0.50 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

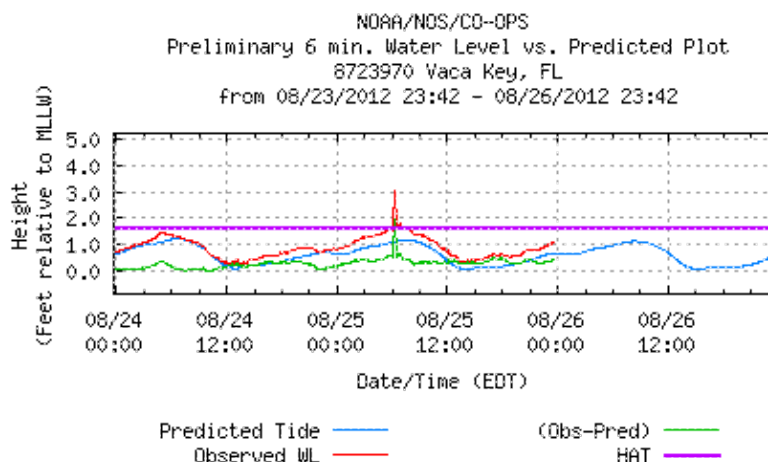
[Key West, FL - Return to List](#)



Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1009.9 mb

Vaca Key, FL - Return to List

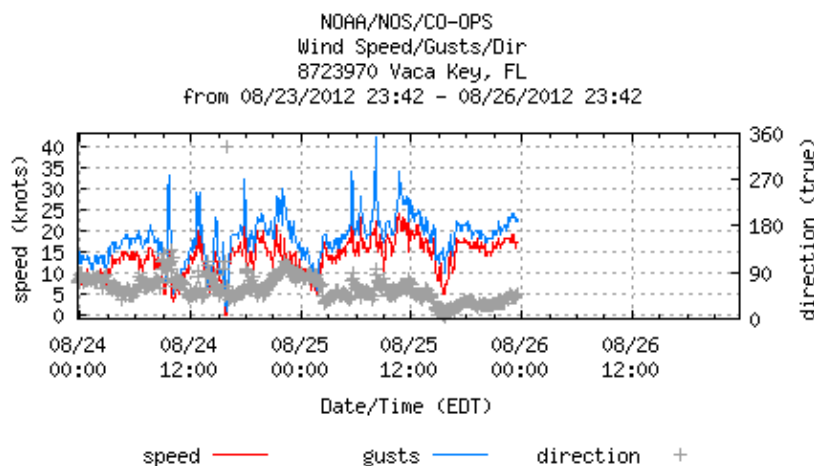


Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 1.06 ft.** **Predicted: 0.66 ft.** **Residual: 0.40 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

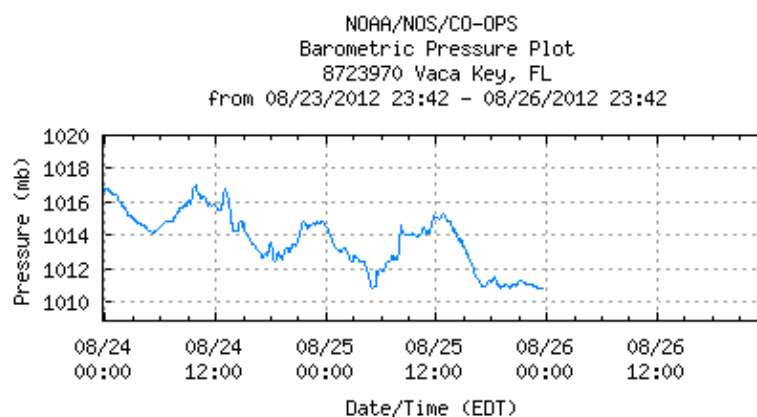
Vaca Key, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 17 knots **Gusts: 22 knots** **Direction: 48° T**

Vaca Key, FL - Return to List

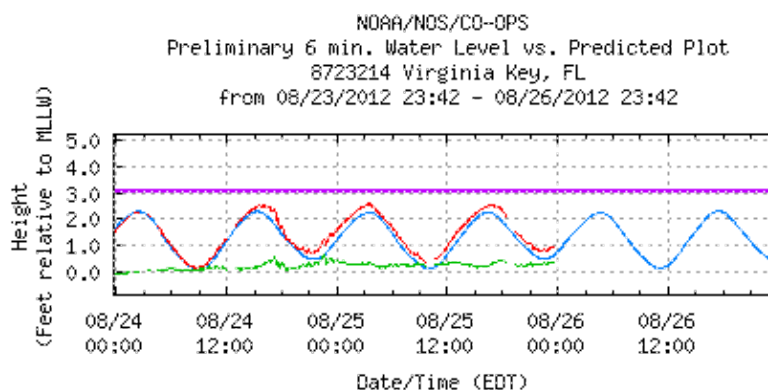


barometric pressure —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1010.8 mb

Virginia Key, FL - Return to List



Predicted Tide —

(Obs-Pred) —

Observed WL —

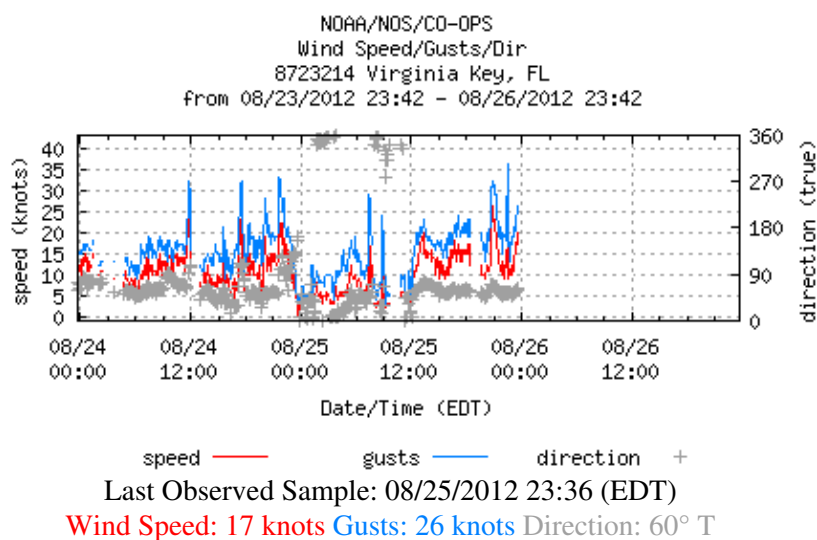
HAT —

Last Observed Sample: 08/25/2012 23:36 (EDT)

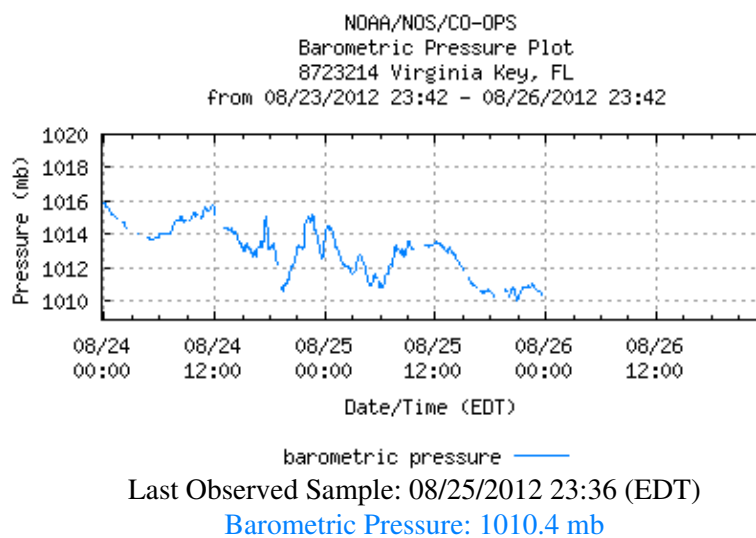
Relative to MLLW: **Observed: 0.96 ft.** **Predicted: 0.63 ft.** **Residual: 0.33 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

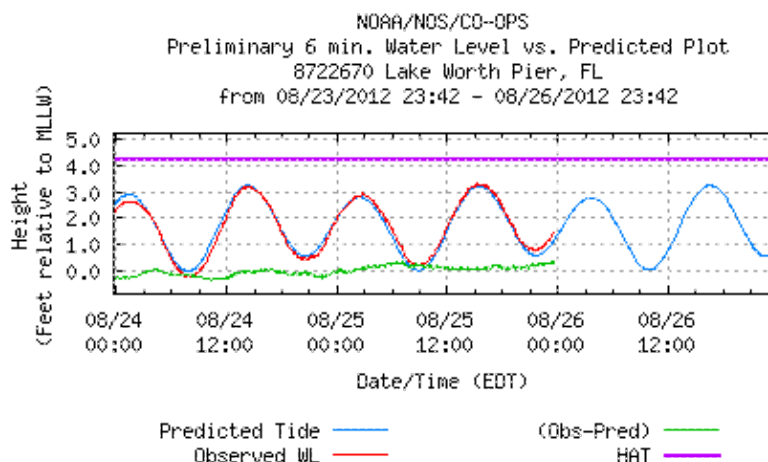
Virginia Key, FL - Return to List



Virginia Key, FL - Return to List



Lake Worth Pier, FL - Return to List

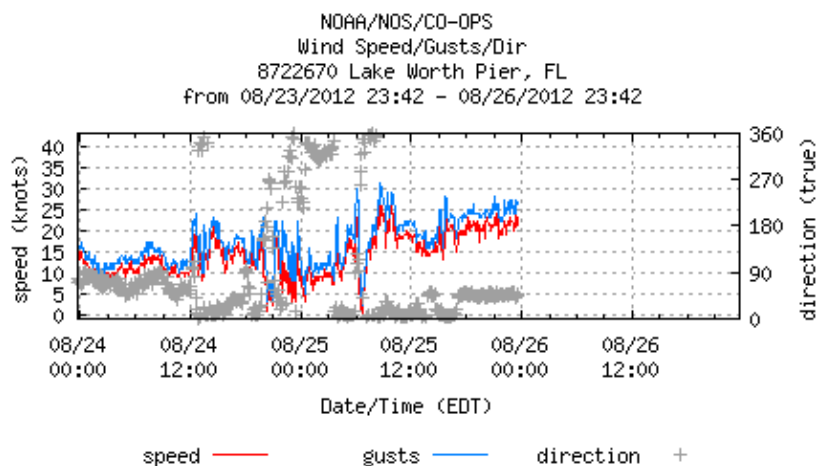


Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 1.46 ft.** **Predicted: 1.15 ft.** **Residual: 0.31 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

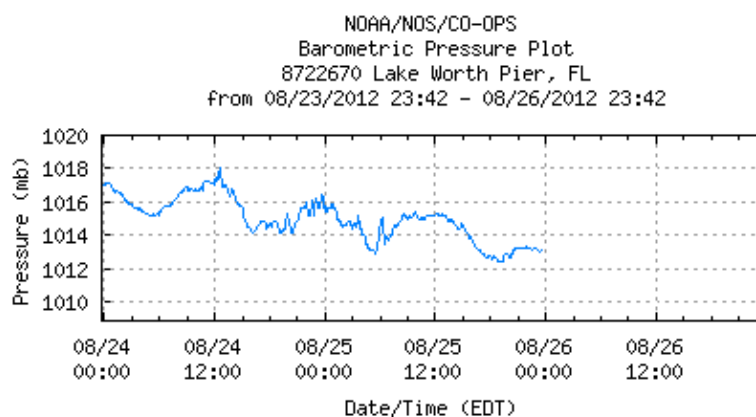
Lake Worth Pier, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 23 knots **Gusts: 26 knots** **Direction: 50° T**

Lake Worth Pier, FL - Return to List

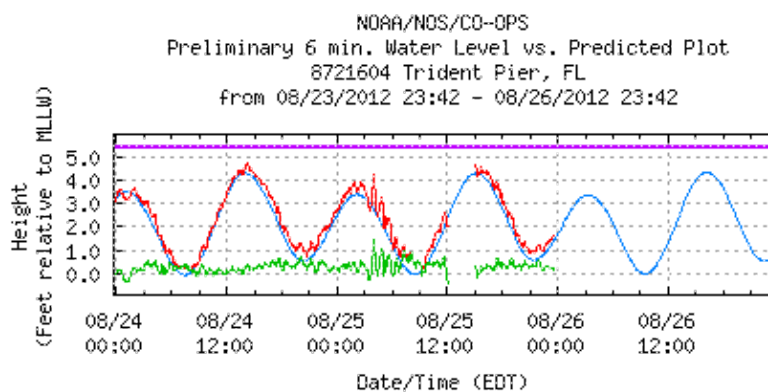


barometric pressure —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1013.1 mb

Trident Pier, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

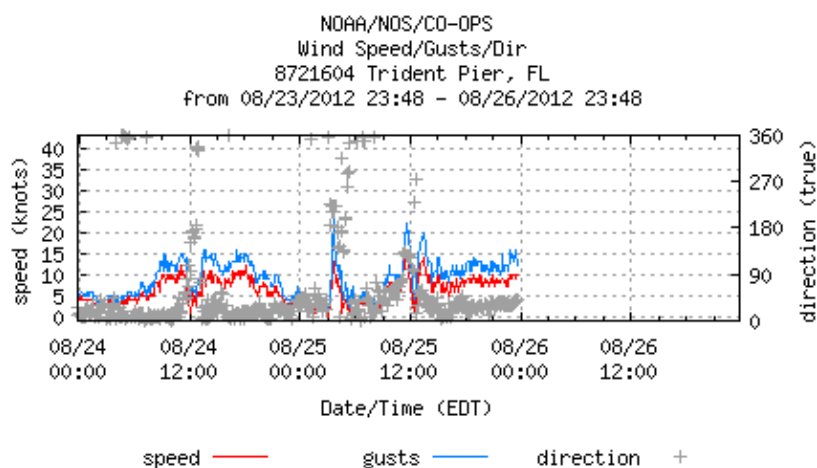
HAT —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 1.59 ft.** **Predicted: 1.43 ft.** **Residual: 0.16 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

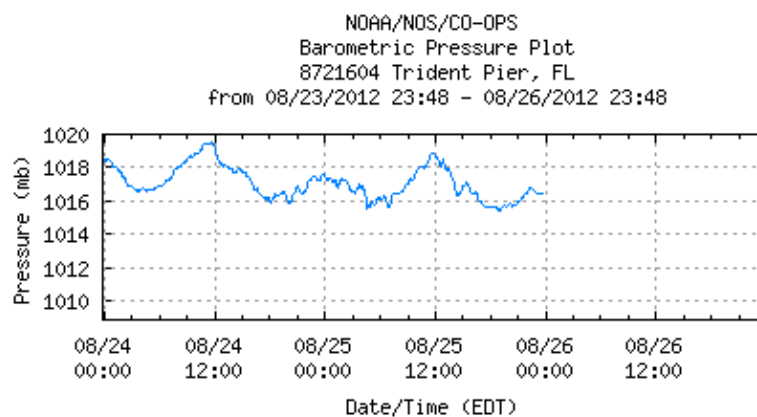
Trident Pier, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 10 knots Gusts: 12 knots Direction: 41° T

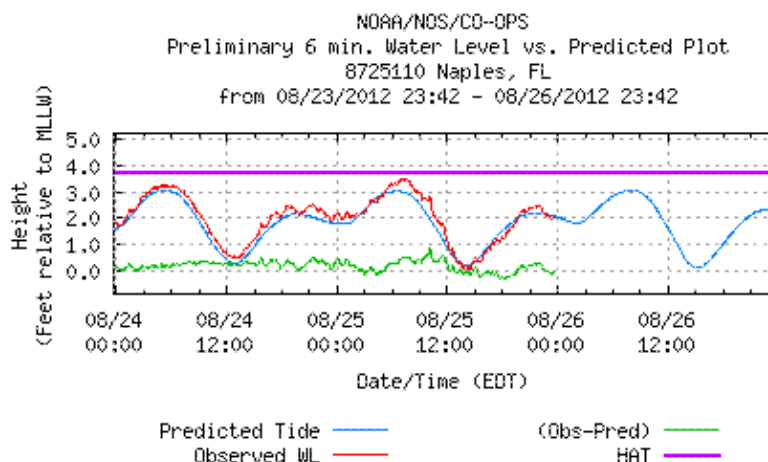
Trident Pier, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1016.4 mb

Naples, FL - Return to List

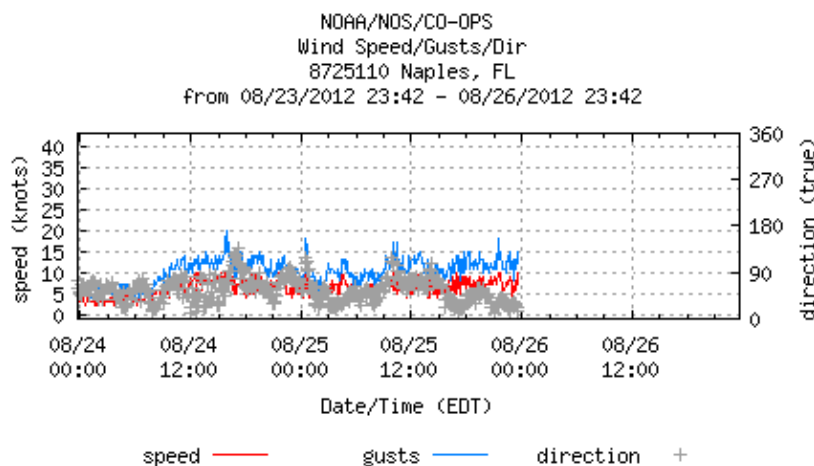


Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 2.00 ft.** **Predicted: 2.07 ft.** **Residual: -0.07 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

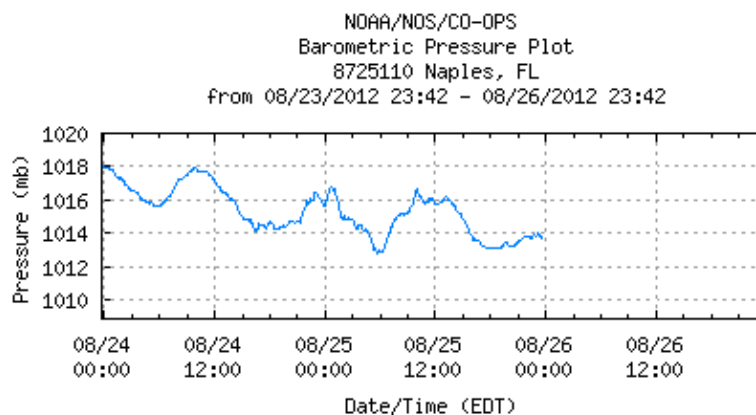
Naples, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 10 knots **Gusts: 15 knots** **Direction: 13° T**

Naples, FL - Return to List

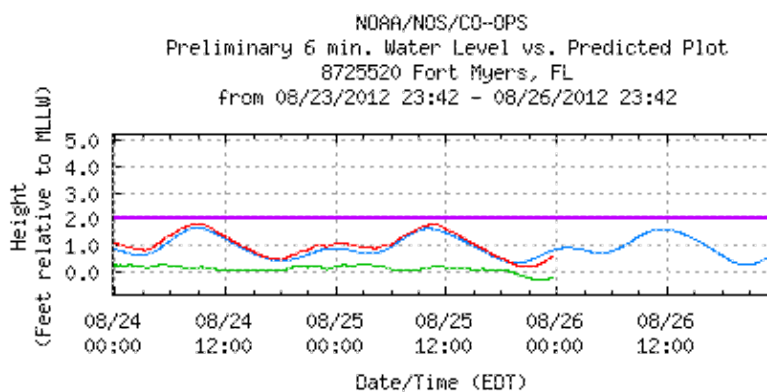


barometric pressure —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1013.7 mb

Fort Myers, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

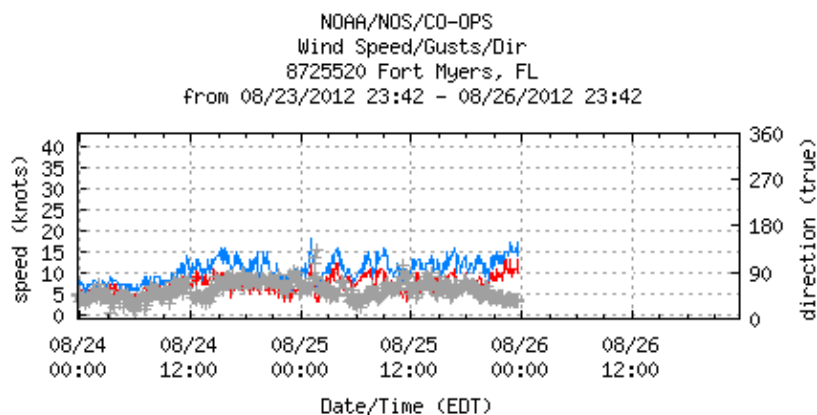
HAT —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 0.57 ft.** **Predicted: 0.81 ft.** **Residual: -0.24 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

Fort Myers, FL - Return to List

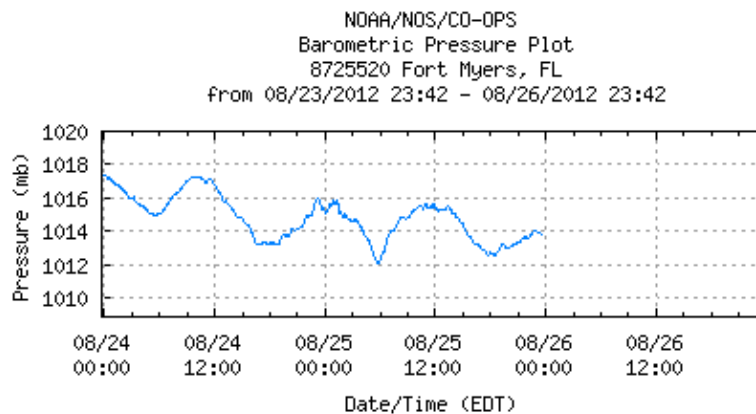


speed — gusts — direction +

Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 35° T

Fort Myers, FL - Return to List

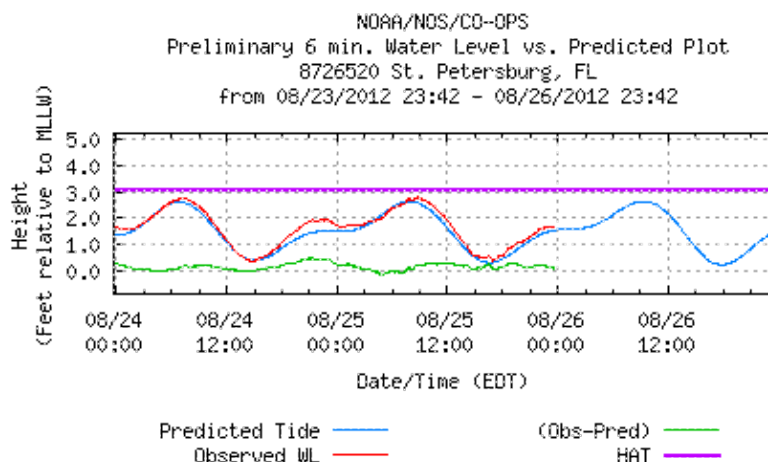


barometric pressure —

Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1013.8 mb

St. Petersburg, FL - Return to List

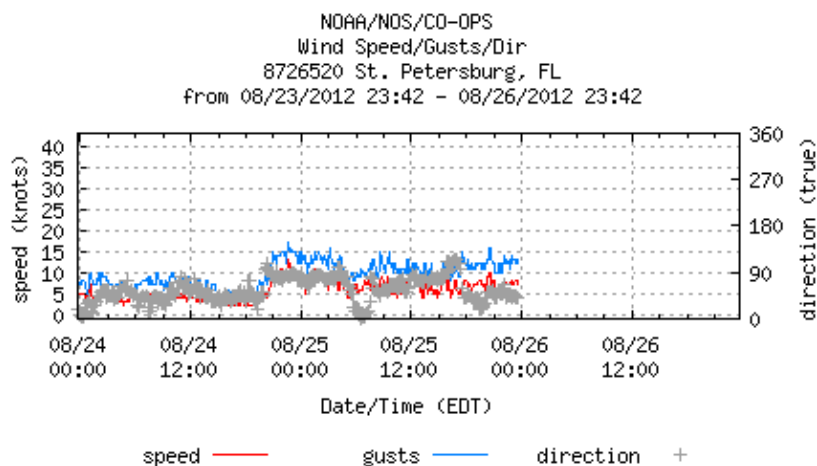


Last Observed Sample: 08/25/2012 23:36 (EDT)

Relative to MLLW: **Observed: 1.62 ft.** **Predicted: 1.53 ft.** **Residual: 0.09 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

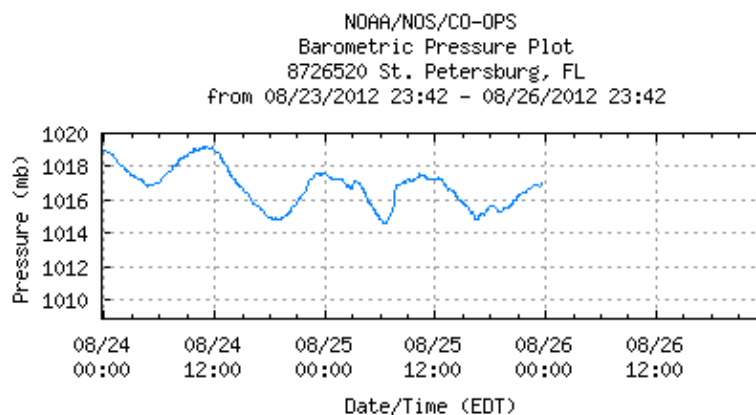
St. Petersburg, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Wind Speed: 8 knots **Gusts: 13 knots** **Direction: 42° T**

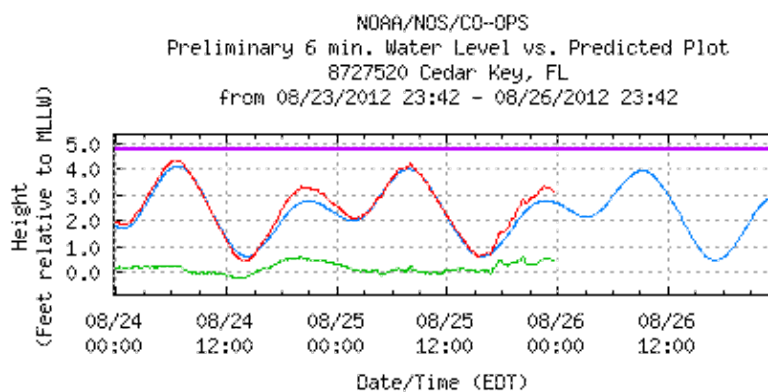
St. Petersburg, FL - Return to List



Last Observed Sample: 08/25/2012 23:36 (EDT)

Barometric Pressure: 1017.0 mb

Cedar Key, FL - Return to List

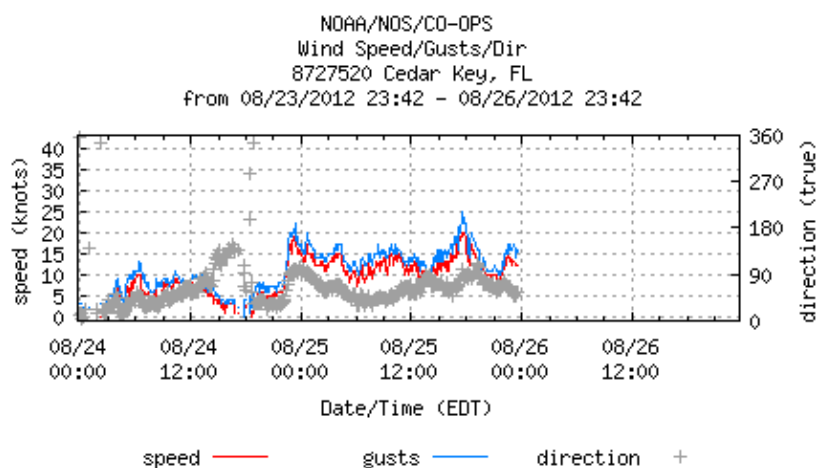


Last Observed Sample: 08/25/2012 23:30 (EDT)

Relative to MLLW: **Observed: 3.14 ft.** **Predicted: 2.73 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

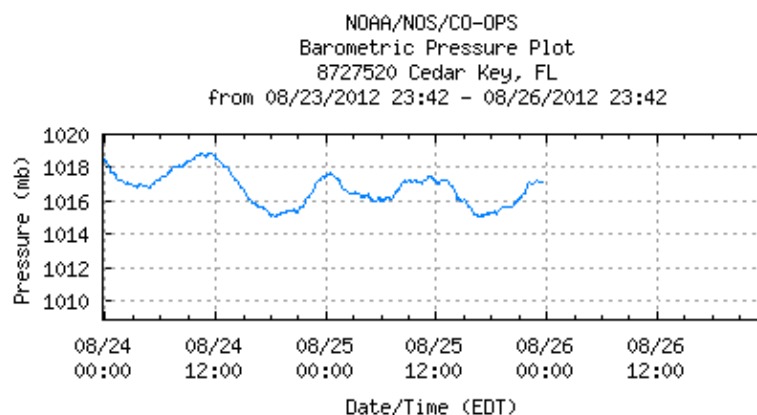
Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 23:30 (EDT)

Wind Speed: 12 knots Gusts: 16 knots Direction: 54° T

Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 23:30 (EDT)

Barometric Pressure: 1017.1 mb

Tropical Storm ISAAC QuickLook, POSTED 00:00 EDT 08/26/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce